



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,125	12/30/2003	Gregory D. Swedberg	MS1-1750US	3301
22801 7590 02/01/2007 LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201			EXAMINER CARLETON, THUY T	
			ART UNIT 2179	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			NOTIFICATION DATE	
3 MONTHS			02/01/2007	
			DELIVERY MODE ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 02/01/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

lhptoms@leehayes.com

<b>Office Action Summary</b>	Application No. 10/749,125	Applicant(s) SWEDBERG ET AL.	
	Examiner Thuy Carleton	Art Unit 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 30 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>03/11/2004</u> . | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This communication is responsive to the original application filed 12/30/2003.

Claims 1-28 are pending have been examined in this application.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-6, 8-13 and 15-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Gershony et al. (US Patent 6,549,218), hereinafter “Gershony”

**As claim 1**, Gershony teaches a system for enabling interoperability between two graphics technologies (col. 2, lines 44-55), comprising:

a first graphics system configured to render window content in a first mode (fig. 3, label 350; col. 8, lines 13-15) the first graphics system being further configured to reference a first type of window using a token associated with an instance of the first type of window (fig. 3, label 340; col. 7, lines 60-64);

a second graphics system configured to render windows in a second mode (fig. 3, label 380; col. 8, lines 24-26) , the second graphics system being further configured to reference a second type of window without a need for the token used by the first graphics system (fig. 3, label 340;

Art Unit: 2179

col. 7, lines 60-64, that if the window is redirected it will not utilize the same token as depicted for the first window, to ensure the window is redirected);

and an interoperability component configured to cause a dummy token to be created for an instance of a window of the second type (fig. 3, label 320; col. 7, lines 33-41) and to use the dummy token if called to perform a graphics related action on the instance of the window of the second type (col. 8, lines 28-30).

**As claim 2,** Gershony further teaches an application program including a first window and a second window (col. 1, lines 34-37), the first window being of the first type and the second window being of the second type (col. 2, lines 47-49).

**As claim 3,** Gershony further teaches the first mode comprises a compositional mode of graphics technology (col. 8, lines 24-28, that by applying special effects, is accomplished in the compositional mode).

**As claim 4,** Gershony further teaches the second mode comprises an immediate mode of graphics technology (col. 8, lines 13-17, that by sending the windows to the buffer, is immediate mode).

**As claim 5,** Gershony further teaches the token comprises a window handle (fig. 4, label 410; col. 7, lines 14-17; col. 8, lines 51-54).

**As claim 6,** Gershony further teaches the second graphics system is configured to create a mapping from the token to a node in an internal construct used by the second graphics

Art Unit: 2179

system to manage windows of the second type (fig. 2, label 250; col. 6, lines 67; col. 7, lines 1-12).

**As claim 8**, Gershony further teaches the second graphics system is further configured to create a render target for receiving rendered window content (col. 6, lines 61-67; col. 7, lines 1-13).

**As claim 9**, Gershony further teaches the render target resides in system memory (fig. 1, label 22; col. 6, lines 61-67).

**As claim 10**, Gershony further teaches the render target resides in video memory (fig. 1, labels 22, 47 and 48; col. 6, lines 61-67; col. 7, line 1, that there must be video memory as described as known before and image (target) can be sent to the display monitor, it must be buffered to an area of video memory).

**As claim 11**, Gershony further teaches the render target records rendering commands generated for windows of the second type and that are played back during composition to generate display output (col. 6, lines 61-67; col. 7, lines 1-13; col. 8, lines 13-29, that by applying the special effects to the window the final result will be displayed (played back)).

**As claim 12**, Gershony teaches a computer-readable medium (fig. 1, label 32) having computer executable components (col. 4, lines 65-67; col. 5, lines 1-2) for enabling interoperability between two graphics technologies (col. 2, lines 44-55), comprising:

Art Unit: 2179

an interoperability component that interfaces with an application program (col. 2, line 67; col. 3, lines 1-4), the application program including a first window and a second window (col. 1, lines 34-37), the first window being compatible with a first graphics system that uses tokens to reference windows (fig. 3, labels 340 and 350; col. 7, lines 60-64; col. 8, lines 13-15), the second window being compatible with a second graphics system that does not rely on the tokens (fig. 3, label 340; col. 7, lines 60-64, that if the window is redirected it will not utilize the same token as depicted for the first window, to ensure the window is redirected); and a mock token associated with the second window (fig. 3, label 320; col. 7, lines 33-41), the mock token indicating that the second window is compatible with the second graphics system (col. 8, lines 28-30).

**As claim 13**, Gershony further teaches a mapping, maintained by the second graphics system, from the mock token to a node in an internal construct used by the second graphics system to manage the second window (col. 9, lines 45-51; that a data structure will contain mapping linking the mock token to the node and is a key module to managing the display of windows).

**As claim 15**, Gershony further teaches the second graphics system is further configured to create a render target for receiving rendered window content (col. 6, lines 61-67; col. 7, lines 1-13).

**As claim 16**, Gershony further teaches the render target comprises a software render target (fig. 1, label 22; col. 6, lines 61-67; col. 7, line 1).

Art Unit: 2179

**As claim 17**, Gershony further teaches the render target comprises a hardware render target (fig. 1, labels 22, 47 and 48; col. 6, lines 61-67; col. 7, line 1, that there must be video memory as described as known before and image (target) can be sent to the display monitor, it must be buffered to an area of video memory).

**As claim 18**, Gershony further teaches the render target records rendering commands generated for the second window and that are played back during composition to generate display output (col. 6, lines 61-67; col. 7, lines 1-13; col. 8, lines 13-29, that by applying the special effects to the window the final result will be displayed (played back)).

**As claim 19**, Gershony further teaches the mock token is associated with a device context associated with the second window (col. 2, lines 11-16).

**As claim 20**, Gershony further teaches the device context comprises a null device context (col. 8, lines 51-53, lines 66-67; col. 9, lines 1-8, that if the function fails, the return value is null, indicating an error or an invalid HWND parameter).

**As claim 21**, Gershony teaches a computer-implemented method (fig. 1, labels 36, 37) for enabling interoperability between two graphics technologies (col. 2, lines 44-55), comprising: receiving a request to create a new window (col. 2; lines 11-16); determining if the new window is of a type associated with an alternative graphics system (fig. 3, label 340; col. 7, lines 62-64); if so, creating a token for the new window (fig. 3, label 320; col. 7, lines 33-41);



Art Unit: 2179

creating a new visual to be created in connection with the new window, the visual being a construct associated with the alternative graphics system (col. 8, lines 26-34); and associating the token with the new visual (fig. 3, label 340; col. 7, lines 60-64, that if the window is redirected it will not utilize the same token as depicted for the first window, to ensure the window is redirected);

**As claim 22**, Gershony further teaches if the new window is not of the type associated with the alternative graphics system, rendering the window in accordance with a conventional graphics system (fig. 3, labels 350, 360, 370; col. 8, lines 13-19).

**As claim 23**, Gershony further teaches receiving an instruction to render display content to the new window referenced by the token (col. 3, lines 8-12), looking up the new visual based on the association between the token and the new visual (col. 8, lines 43-45, that applying visual effects, is only accomplished by reading/referencing the tokens), and rendering the display content to the new visual (fig. 3, labels 350, 360, 370).

**As claim 24**, Gershony further teaches rendering the display content to the new visual (fig. 3, labels 350, 360, 370) further comprises issuing rendering commands to a render target associated with the new visual (col. 3, lines 8-12).

**As claim 25**, Gershony further teaches the render target comprises a software render target (fig. 1, label 22; col. 6, lines 61-67; col. 7, line 1).



Art Unit: 2179

**As claim 26,** Gershony further teaches the render target comprises a hardware render target (fig. 1, labels 22, 47 and 48; col. 6, lines 61-67; col. 7, line 1, that there must be video memory as described as known before and image (target) can be sent to the display monitor, it must be buffered to an area of video memory).

**As claim 27,** Gershony further teaches the render target records rendering commands generated for the new window that are played back during composition to generate display output (col. 6, lines 61-67; col. 7, lines 1-13; col. 8, lines 13-29, that by applying the special effects to the window the final result will be displayed (played back)).

**As claim 28,** Gershony further teaches a computer-readable medium encoded with computer-executable instructions for performing the method of claim 21 (fig. 1, label 36; col. 5, lines 3-7).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 7 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gershony in view of Lin et al. (US Patent 6,941,521), hereinafter "Lin"

Art Unit: 2179

**As claim 7 and 14, Gershony the internal construct comprises a visual tree, and the node comprises a visual.**

However, Lin teaches the internal construct comprises a visual tree, and the node comprises a visual (col. 3, lines 63-67; col. 4, lines 1-10). Therefore, it would have been obvious to one ordinary skill in the art the time the invention to modify Gershony by having the internal construct comprises a visual tree, and the node comprises a visual as taught by Lin in order to describe the structure of visuals presented on the node (display device).

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Broussard (US Patent 6,918,093) – Inheritance of background color in a containment hierarchy of objects in a graphical user interface.

Broussard (US Patent 6,993,773) – System and method for introducing enhanced features into a java swing application program interface.

Mutschler, III et al. (US Patent 5,815,149) – Method for generating code for modifying event routines for controls on a form.

Gerra et al. (US Patent 6,630,942) – Methods and apparatus for accessing information from multiple remote sources.

Mumford (US Patent 5,321,807) – Accelerated graphics display method.

Art Unit: 2179

Bahrs et al. (US Patent 6,901,554) – Method and apparatus in a data processing system for systematically separating application graphical user interface component placement from component sequencing and compound creation.

Thompson et al. (US Patent 6,571,253) – Hierarchical view of data binding between display elements that are organized in a hierarchical, structure to a data store that is also organized in a hierarchical structure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy Carleton whose telephone number is 571-270-1258. The examiner can normally be reached on Monday-Friday (8:30AM-5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC

BA HUYNH  
PRIMARY EXAMINER